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SEQUENCE LISTING

<110> FRIDKIN, Matityahu
YAVIN, Eran J.

<120> ANTI-INFLAMMATORY PEPTIDES DERIVED FROM C-REACTIVE PROTEIN

<130> FRIDKIN=1

<140> 09/117,380
<141> 1999-01-27

<150> PCT/IL97/00032
<151> 1997-01-27

<150> IL 116976
<151> 1996-01-31

<160> 20

<170> PatentIn Ver. 2.0

<210> 1
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<220>
<223> The N-terminal Ala residue is modified with a methoxysuccinyl group; the C-terminal Val residue is modified with a nitroanilide group.

<400> 1
Ala Ala Pro Val
1

<210> 2
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> The N-terminal Ala residue is modified with a succinyl group; the C-terminal Phe residue is modified with a nitroanilide group.

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 2
Ala Ala Pro Phe
1

<210> 3
<211> 206
<212> PRT
<213> Homo sapiens

<220>
<223> The C-terminal Pro residue is modified with an OH group.

<400> 3
Glu Thr Asp Met Ser Arg Lys Ala Phe Val Phe Pro Lys Glu Ser Asp
1 5 10 15

Thr Ser Tyr Val Ser Leu Lys Ala Pro Leu Thr Lys Pro Leu Lys Ala
20 25 30

Phe Thr Val Cys Leu His Phe Tyr Thr Glu Leu Ser Ser Thr Arg Gly
35 40 45

Tyr Ser Ile Phe Ser Tyr Ala Thr Lys Arg Gln Asp Asn Glu Ile Leu
50 55 60

Ile Phe Trp Ser Lys Asp Ile Gly Tyr Ser Phe Thr Val Gly Gly Ser
65 70 75 80

Glu Ile Leu Phe Glu Val Pro Glu Val Thr Val Ala Pro Val His Ile
85 90 95

Cys Thr Ser Trp Glu Ser Ala Ser Gly Ile Val Glu Phe Trp Val Asp
100 105 110

Gly Lys Pro Arg Val Arg Lys Ser Leu Lys Lys Gly Tyr Thr Val Gly
115 120 125

Ala Glu Ala Ser Ile Ile Leu Gly Gln Glu Gln Asp Ser Phe Gly Gly
130 135 140

Asn Phe Glu Gly Ser Gln Ser Leu Val Gly Asp Ile Gly Asn Val Asn
145 150 155 160

Met Trp Asp Phe Val Leu Ser Pro Asp Glu Ile Asn Thr Ile Tyr Leu
165 170 175

Gly Gly Pro Phe Ser Pro Asn Val Leu Asn Trp Arg Ala Leu Lys Tyr
180 185 190

Glu Val Gln Gly Glu Val Phe Thr Lys Pro Gln Leu Trp Pro
195 200 205

<210> 4
<211> 28
<212> PRT
<213> Homo sapiens

<220>
<221> DISULFID
<222> (24)..(25)

<400> 4
Ser Phe Thr Val Gly Gly Ser Glu Ile Leu Phe Glu Val Pro Glu Val
1 5 10 15

Thr Val Ala Pro Val His Ile Cys Cys Leu His Phe
20 25

<210> 5
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 5
Thr Ile Asn Glu Lys Gly Thr Glu Ala Ala Gly Ala Met Phe Leu Glu
1 5 10 15

Ala Ile Pro Met Thr Ile Pro Pro Glu Val Lys Phe
20 25

<210> 6
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<220>
<221> DISULFID
<222> (9)..(10)

<400> 6
Val Thr Val Ala Pro Val His Ile Cys Cys Leu His Phe
1 5 10

<210> 7
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 7
Gly Ser Glu Ile Leu Phe Glu Val Pro Glu Val Thr Val Ala Pro Val
1 5 10 15

His Ile Cys Cys His Leu Phe
20

<210> 8
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 8
Val Thr Val Ala Pro Val Ser Ile
1 5

<210> 9
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 9
Val Thr Val Ala Pro Val Phe Ile
1 5

<210> 10
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<220>
<223> The C-terminal Pro residue is modified with an $NH_2$ group

<400> 10
Val Thr Val Ala Pro Val His Ile Pro
1 5

<210> 11
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<220>
<223> The C-terminal Pro residue is modified with an $NH_2$ group

<400> 11
Val Thr Val Ala Pro Phe His Ile Pro
1 5

<210> 12
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<220>
<223> The C-terminal Pro residue is modified with an $NH_2$ group

<400> 12
Val Thr Val Ala Pro Val His Ile Pro Pro
1 5 10

<210> 13
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<220>
<223> The N-terminal Val residue may be modified with a monomethoxy-succinyl group, a 1,adamantyl-NH-CO group, an α-naphtyl-NH-CO group, an octanoyl group, a carbobenzoxy protecting group, a 6-actylamino-N-hexanoyl group, a 9-fluorenylmethoxycarbonly group, an H-group, a $CH_3OCO(CH_2)_2CO$ group, a $CH_3(CH_2)_6CO$ group, or a $CH_3CONH(CH_2)_5CO$ group.

The C-terminal Ile residue may be modified with an OH group or an $NH_2$ group,

<400> 13
Val Thr Val Ala Pro Val His Ile
1 5

<210> 14
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<220>
<223> The N-terminal Phe residue may be modified with a monomethoxy-succinyl group, a carbobenzoxy protecting group, a $CH_3OCO(CH_2)_2C$) group, or an H group

The C-terminal Ile residue may be modified with an OH group or joined to a polymer

<400> 14
Phe Val Thr Val Ala Pro Val His Ile
1 5

<210> 15
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 15
Leu Glu Ala Ile Pro Met Ser Ile
1 5

<210> 16
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<220>
<223> Xaa at position 7 is 1,4-(L)diaminobutyric acid

<400> 16
Val Thr Val Ala Pro Val Xaa Ile
1 5

<210> 17
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<220>
<223> Xaa at position 5 is N-methyl glycine

<400> 17
Val Thr Val Ala Xaa Val His Ile
1 5

<210> 18
<211> 9
<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<220>
<223> The N-terminal Val residue is modified with an H group and the C-terminal Cys residue is modified with an OH group

<400> 18
Val Thr Val Ala Pro Val His Ile Cys
1 5

<210> 19
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<220>
<223> The N-terminal Gly residue is modified with an H group and the C-terminal Cys residue is modified with an OH group

<400> 19
Gly Ser Glu Ile Leu Phe Glu Val Pro Glu Val Thr Val Ala Pro Val
1 5 10 15

His Ile Cys

<210> 20
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<220>
<223> The N-terminal Val residue is modified with an H group; Thr at position 2 is modified with tert.-butyl-ether; His at position 7 is modified with trityl; and the C-terminal Ile residue is joined to a polymer

<400> 20
Val Thr Val Ala Pro Val His Ile
1 5